

FIG.1 (PRIOR ART)

FIG.1A

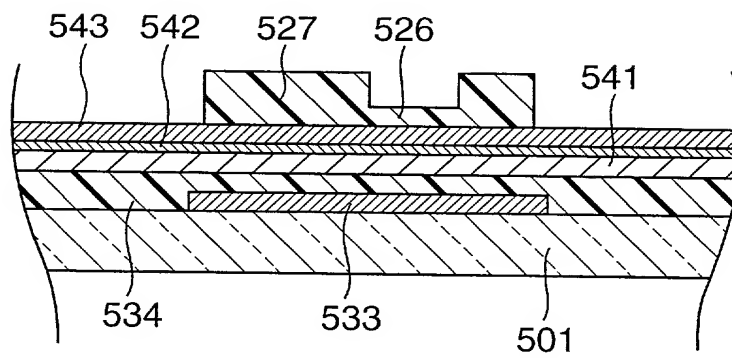


FIG.1B

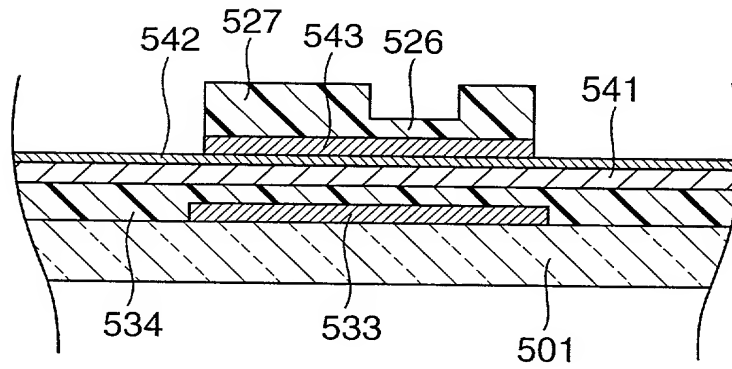


FIG.2 (PRIOR ART)

FIG.2A

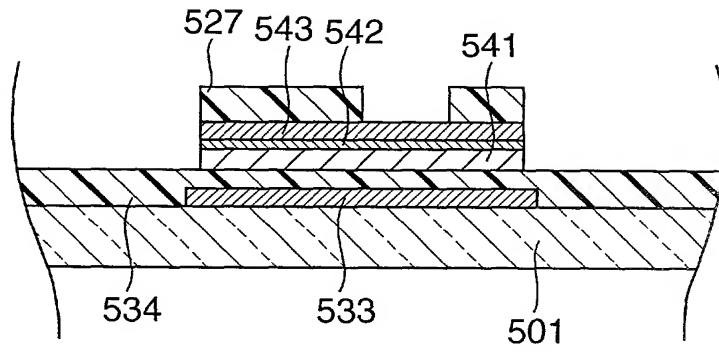


FIG.2B

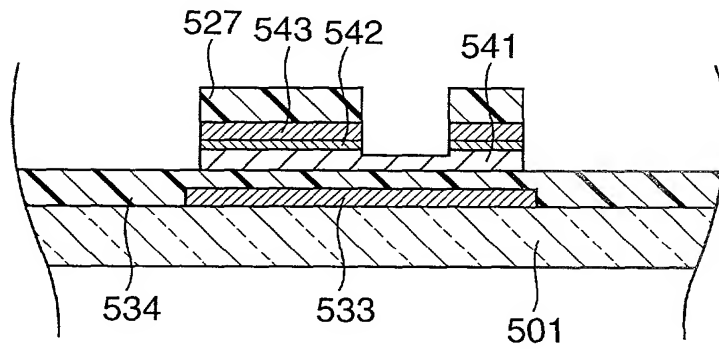


FIG.3 (PRIOR ART)

FIG.3A

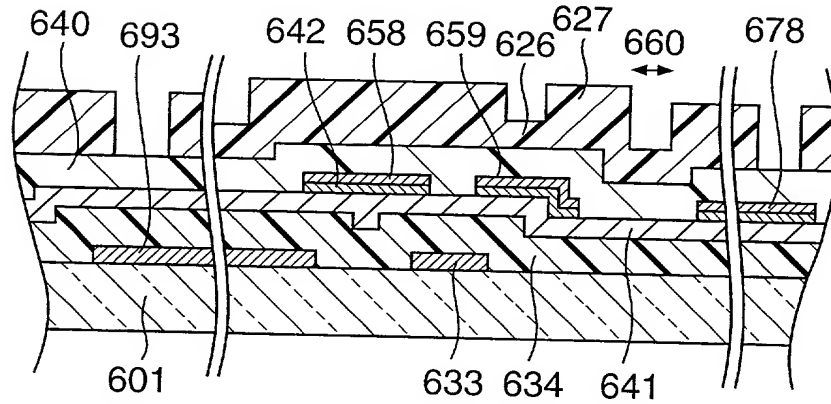


FIG.3B

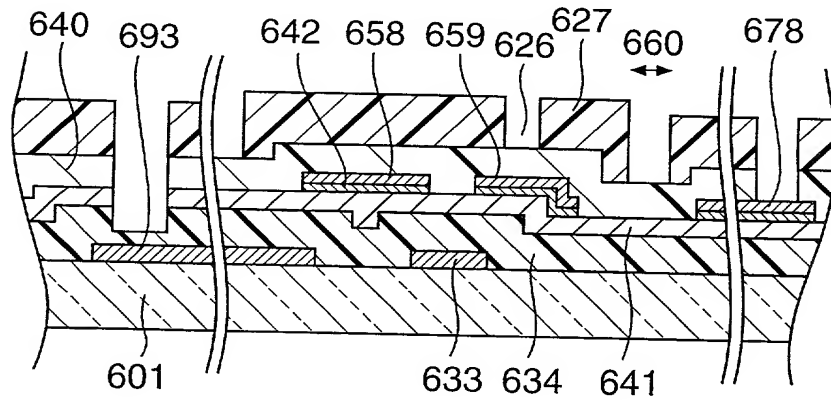


FIG.3C

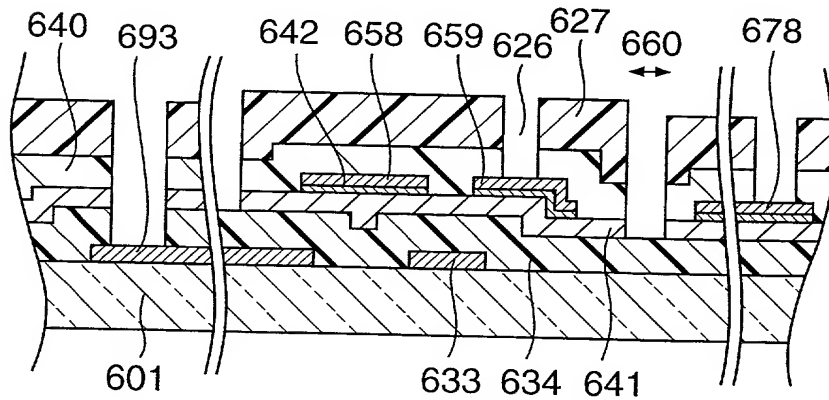


FIG.4A

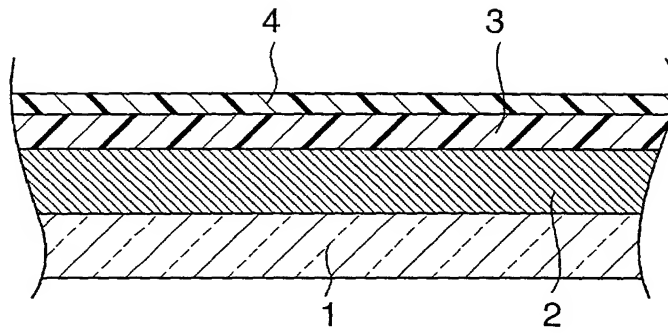


FIG.4B

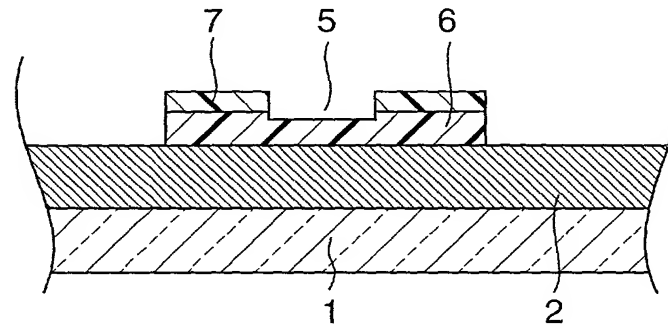
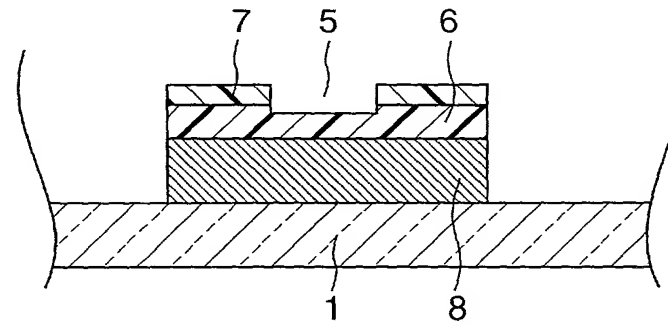


FIG.4C



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FIG.5A

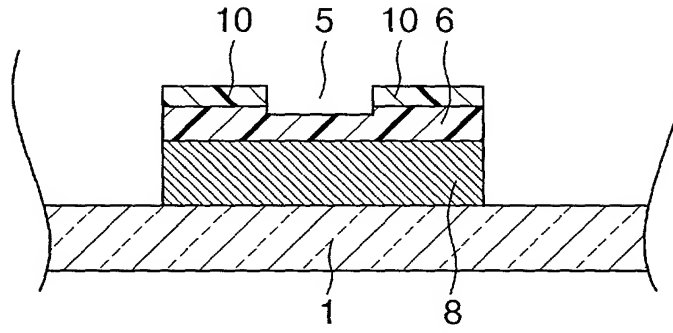


FIG.5B

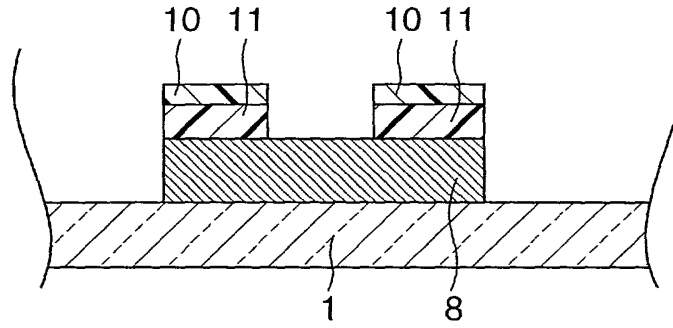


FIG.5C

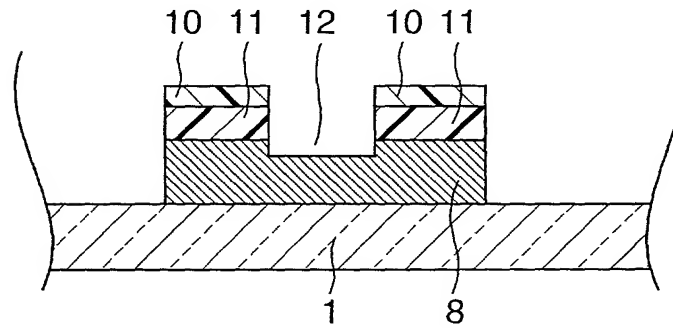


FIG.6A

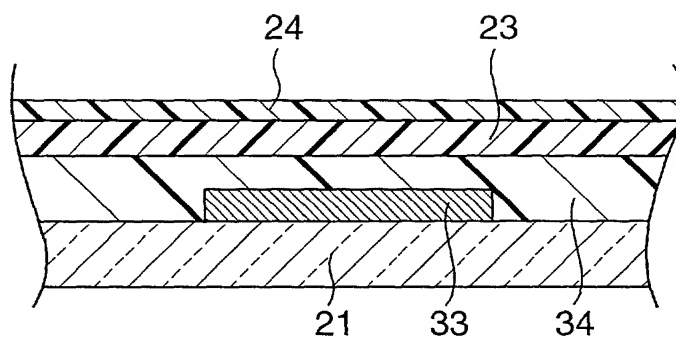


FIG.6B

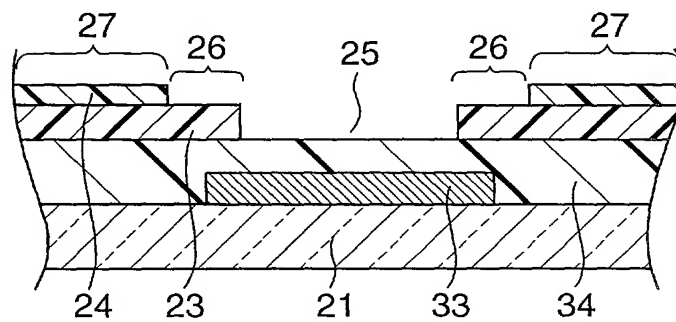


FIG.6C

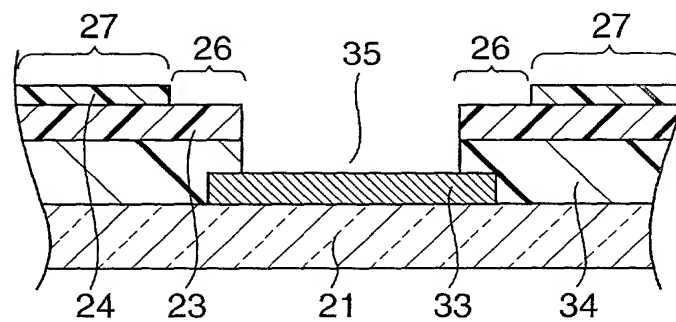


FIG.7A

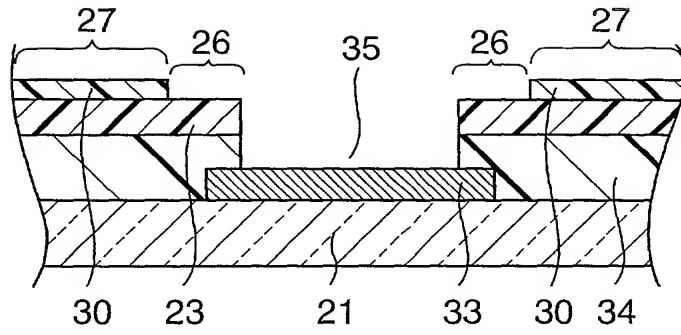


FIG.7B

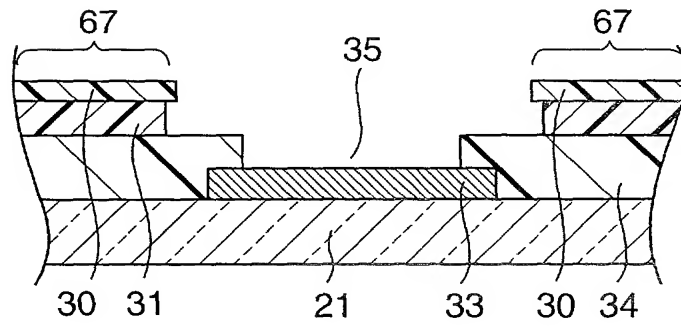


FIG.8A

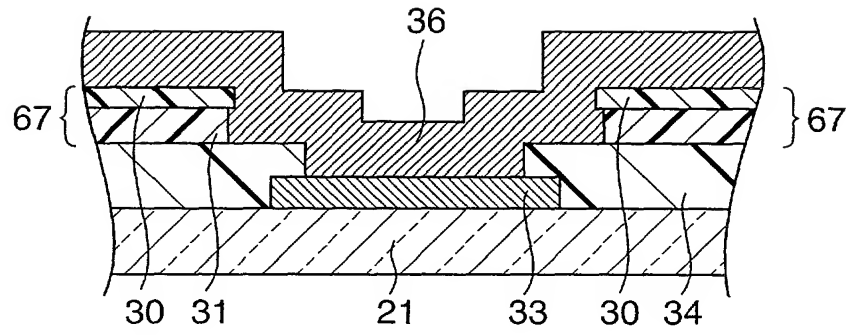


FIG.8B

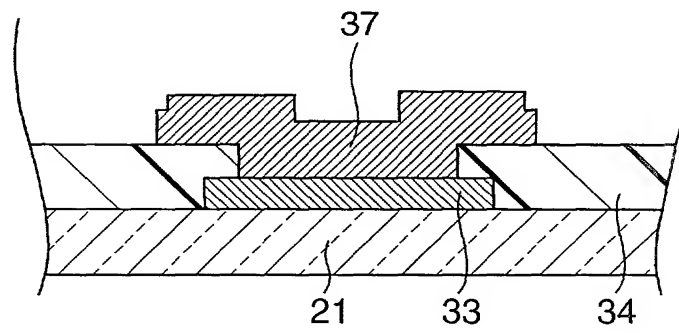




FIG. 9A

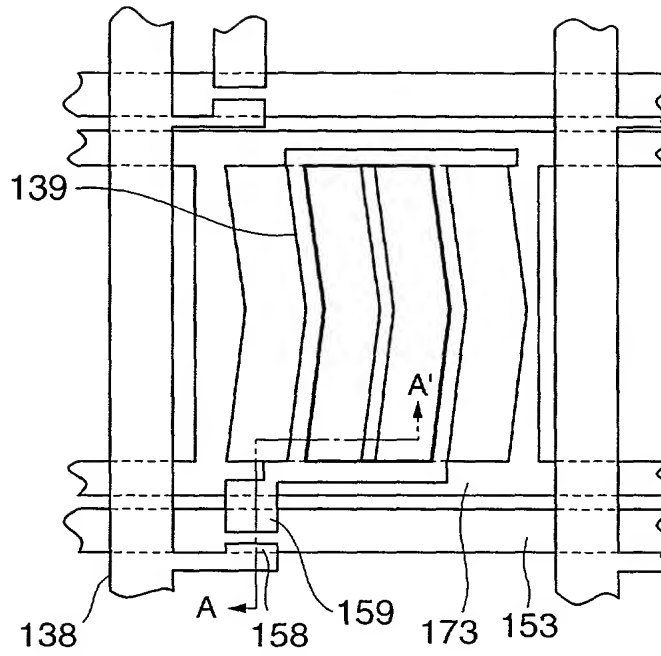


FIG. 9B

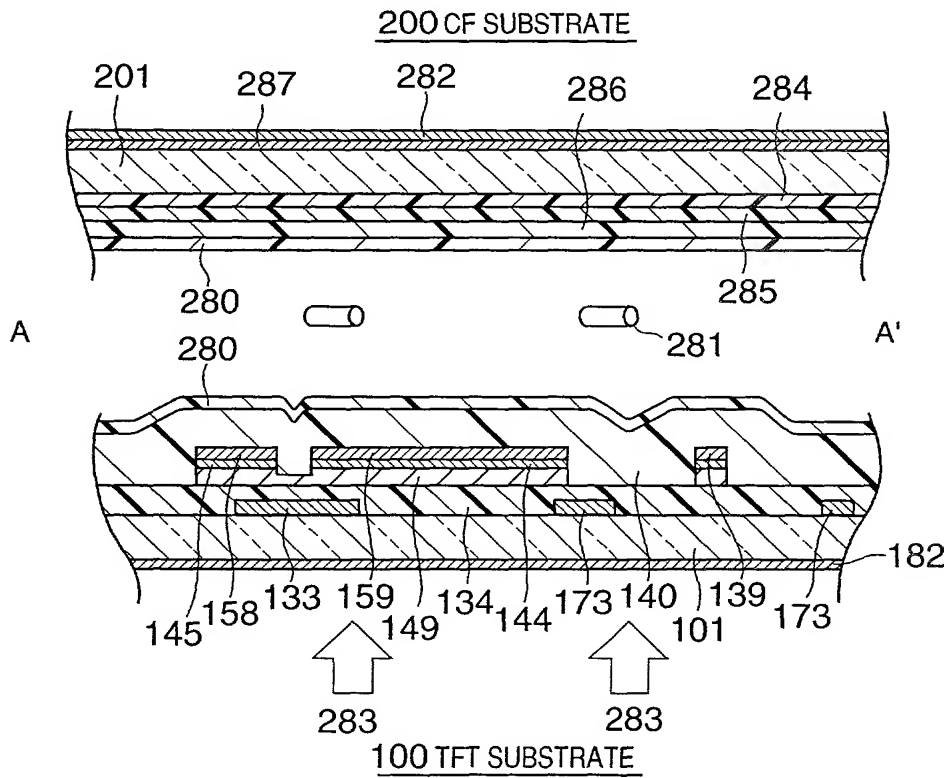


FIG. 10A

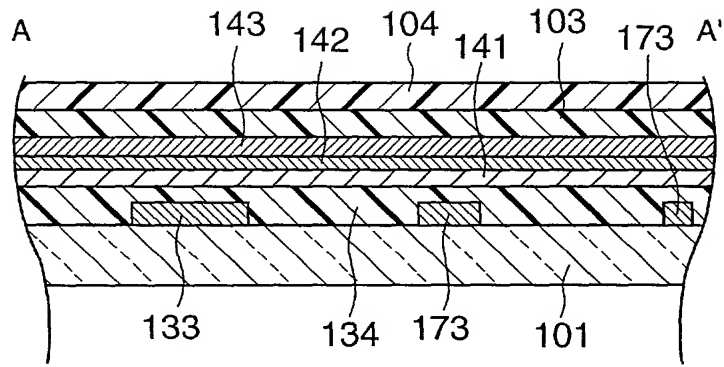


FIG. 10B

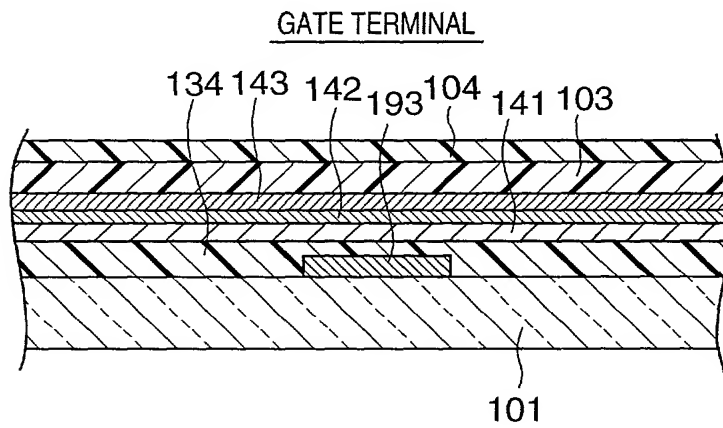


FIG. 10C

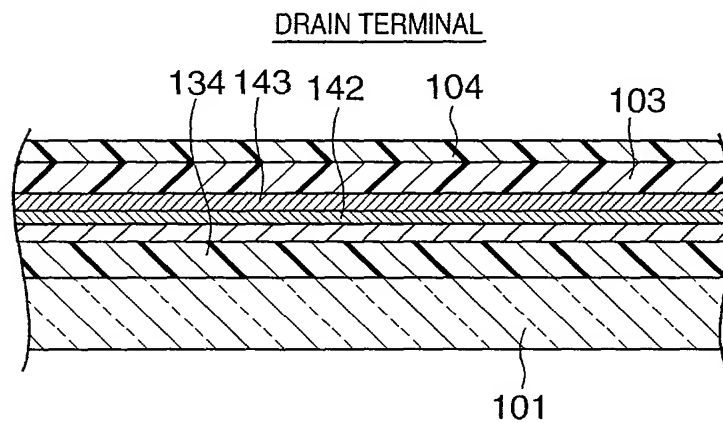


FIG. 11A

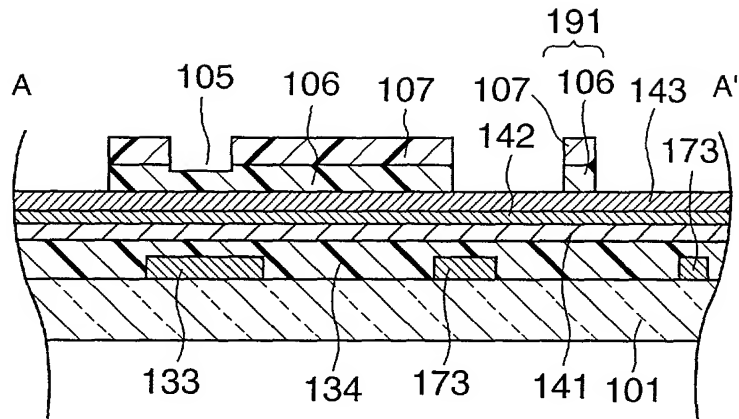


FIG. 11B

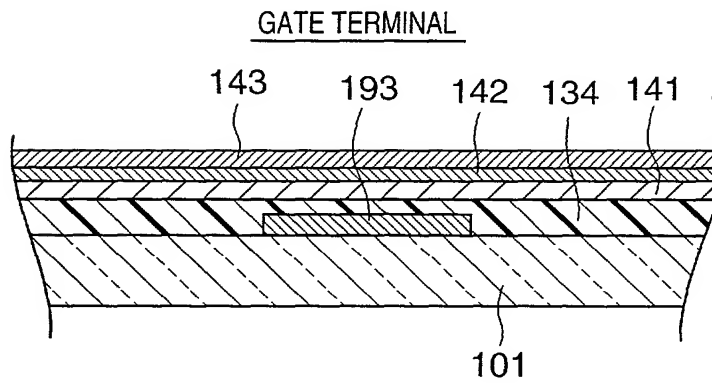


FIG. 11C

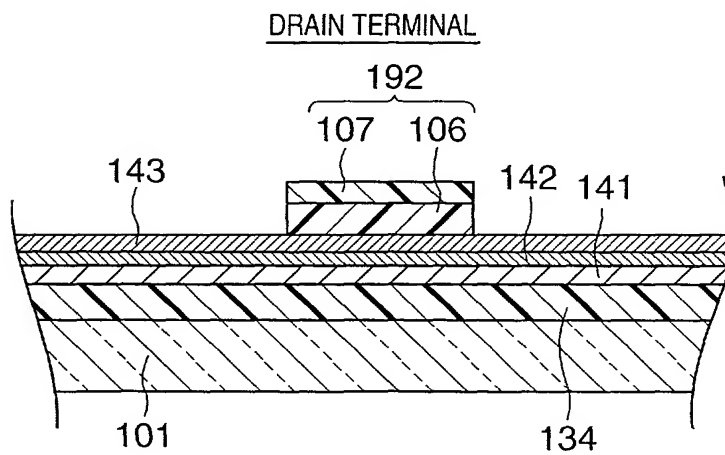
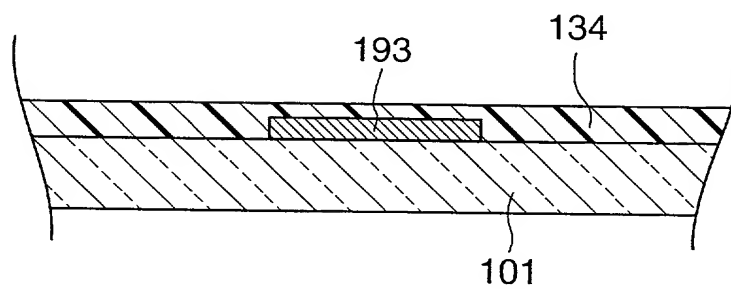
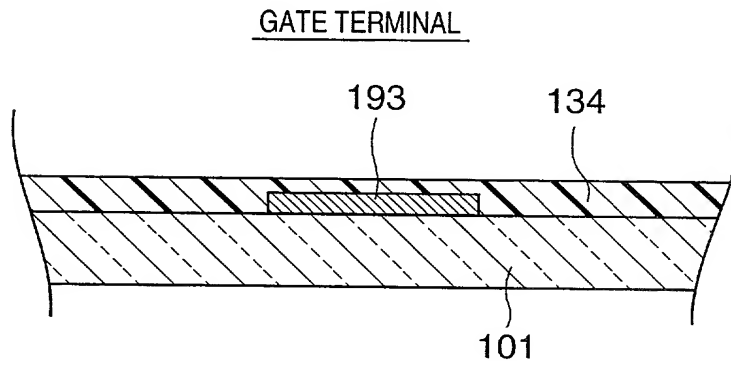


FIG. 12B



A cross-sectional diagram of a drain terminal assembly. The assembly consists of a base layer labeled 101, which has a dashed horizontal line representing an interface or boundary. On top of the base layer is a rectangular component labeled 110. This component 110 is composed of several layers: a bottom layer labeled 141, a middle layer labeled 142, and a top layer labeled 106. A label 134 points to the right side of the base layer 101. The entire assembly is shown within a frame that tapers at the ends.

FIG. 13B



A cross-sectional view of a drain terminal assembly. The assembly consists of a base layer (101) and a top layer (110). The top layer (110) is divided into two regions: a central region (111) and a side region (112). The side region (112) is further divided into two sub-regions: a first side region (141) and a second side region (142). The first side region (141) is adjacent to the central region (111), and the second side region (142) is adjacent to the first side region (141). The base layer (101) is divided into two regions: a first base region (134) and a second base region (143). The first base region (134) is adjacent to the first side region (141), and the second base region (143) is adjacent to the second side region (142). The top layer (110) is formed on the base layer (101).

FIG. 14A

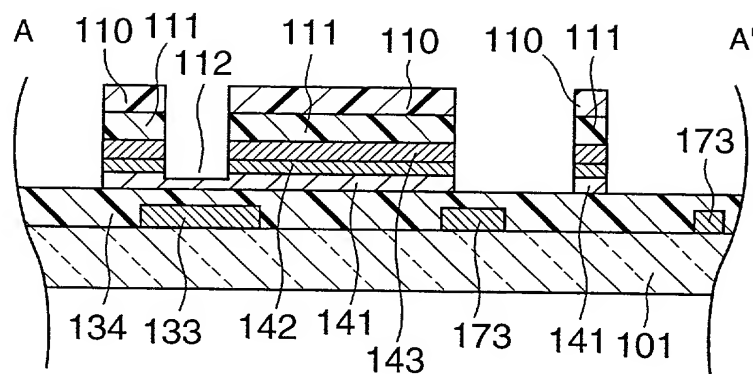


FIG. 14B

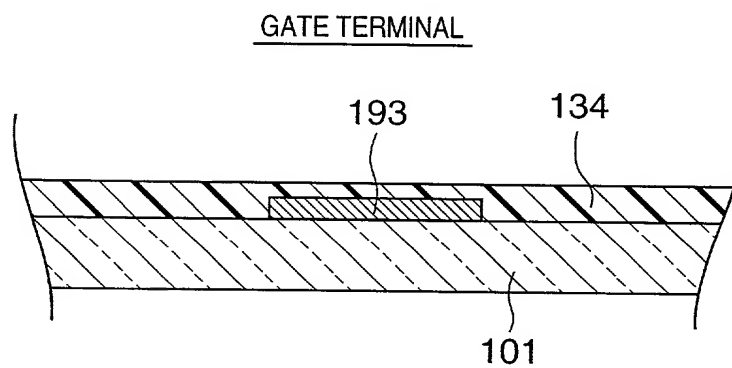


FIG. 14C

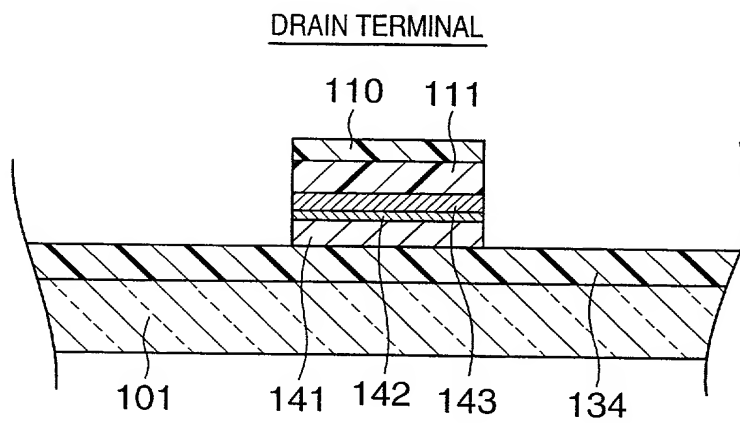


FIG. 15A

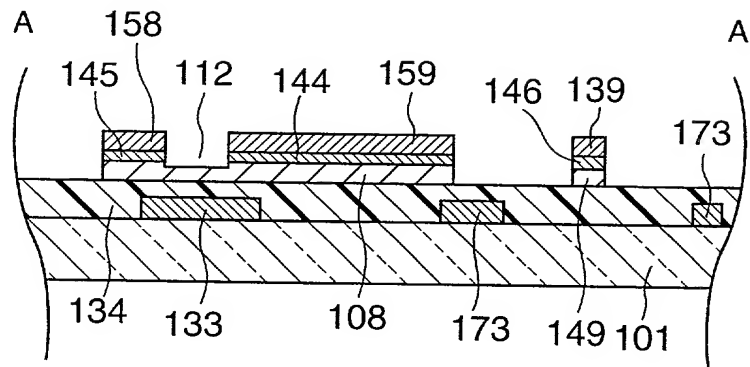


FIG. 15B

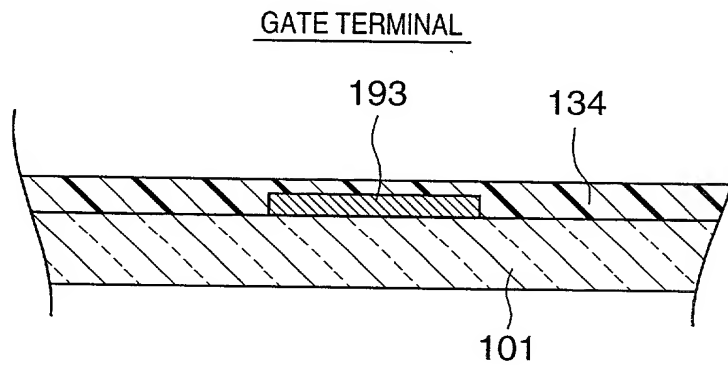


FIG. 15C

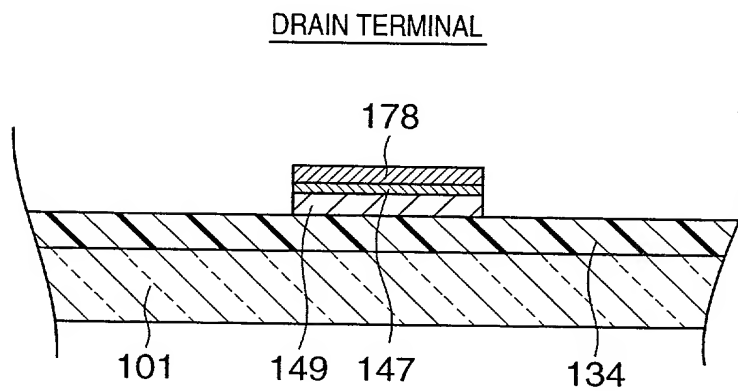


FIG.16A

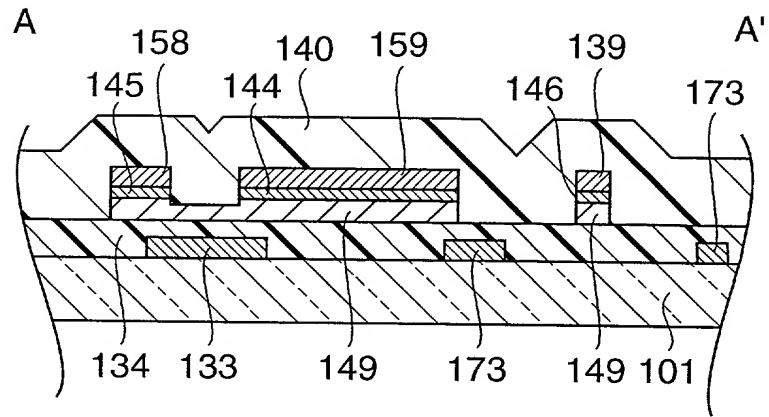


FIG.16B

GATE TERMINAL

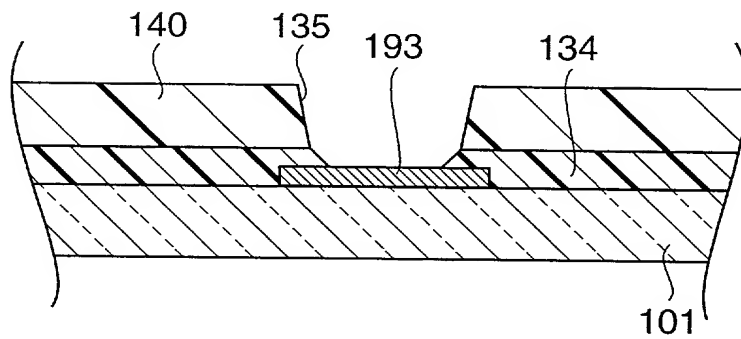
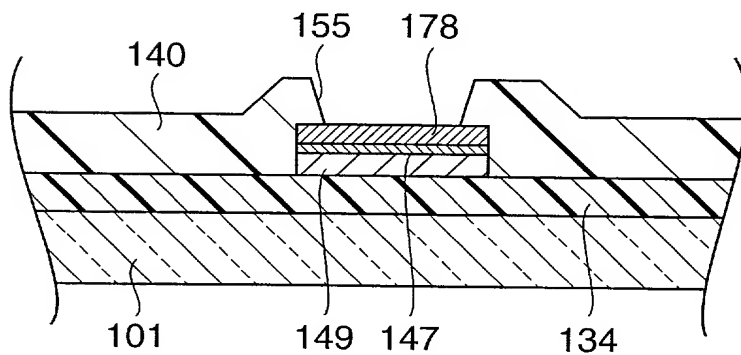


FIG.16C

DRAIN TERMINAL





[illegible]

A cross-sectional view of a semiconductor device. The structure consists of a substrate 101 with a dashed line indicating an interface. Above the substrate is a layer 134. On top of layer 134 is a gate terminal structure 140. The gate terminal structure 140 includes a central region 135 and two side regions 137. A layer 193 is located between the central region 135 and the side regions 137. The entire structure is shown within a cross-section of a device.

A cross-sectional view of a drain terminal structure. The structure consists of a substrate 101 with a top layer 140. A central feature includes a layer 149, a layer 147, and a layer 134. A drain terminal 155 is formed on top of layer 149, with a contact pad 157 and a side contact 178. The entire structure is covered by a protective layer 134.

FIG.18A

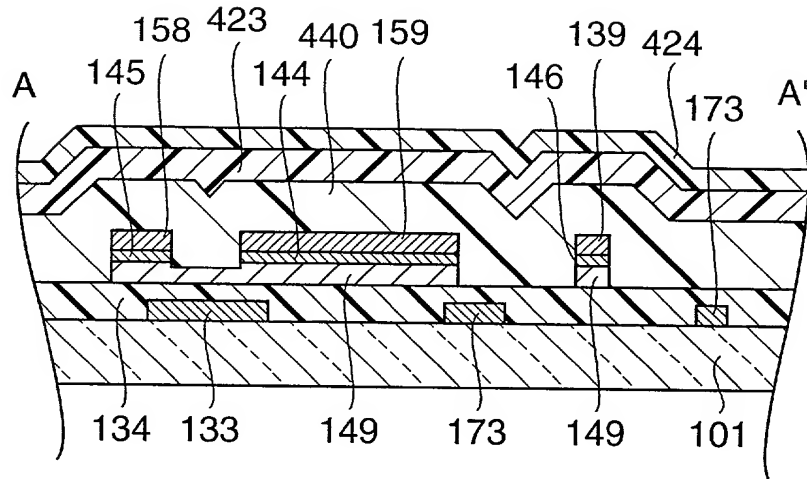


FIG.18B

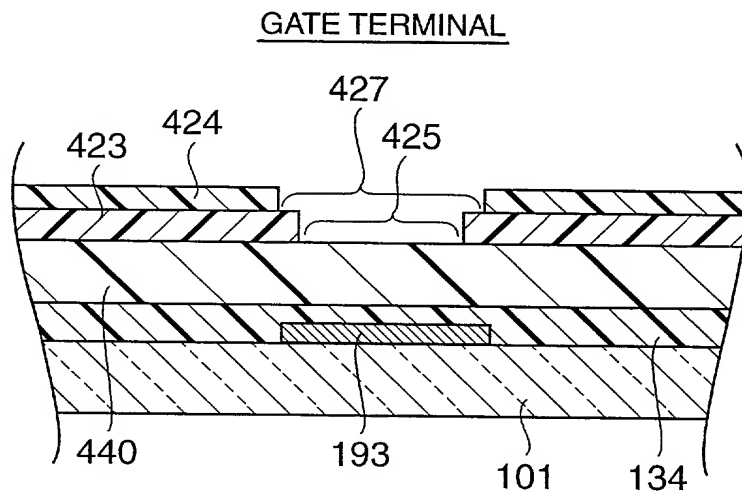


FIG.18C

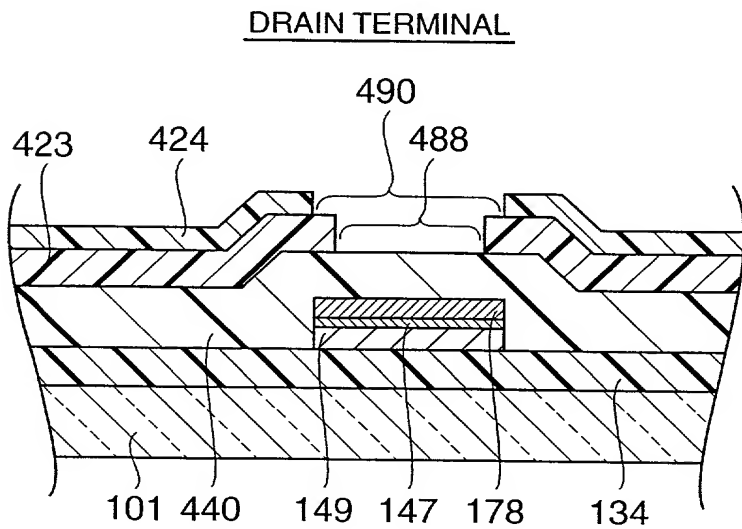


FIG. 19B

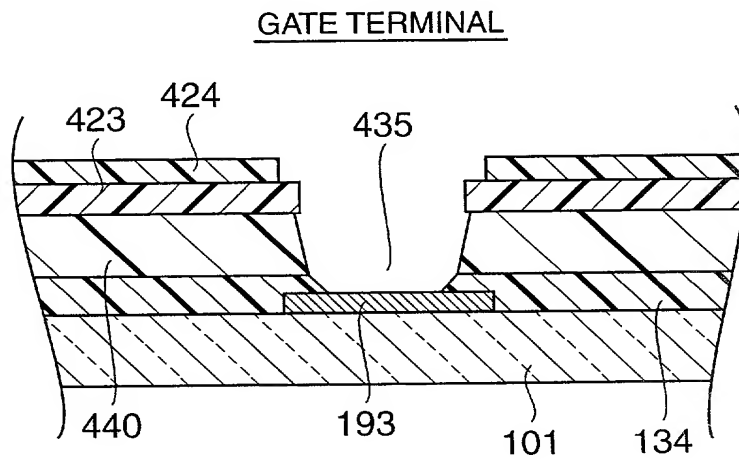


FIG. 19C

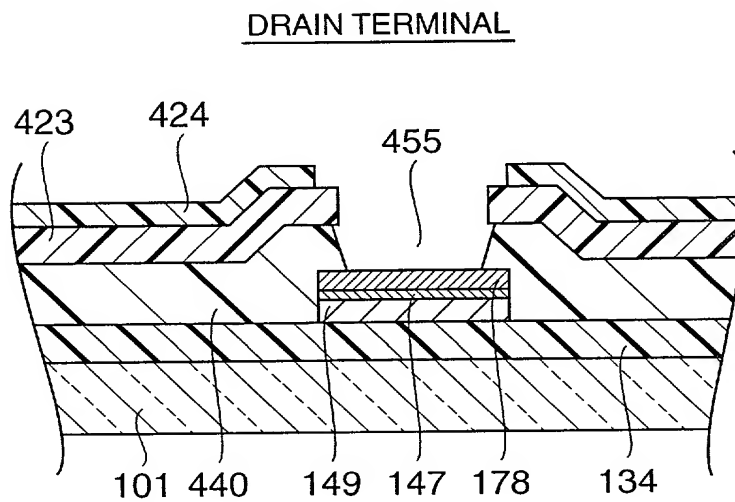


FIG.20A

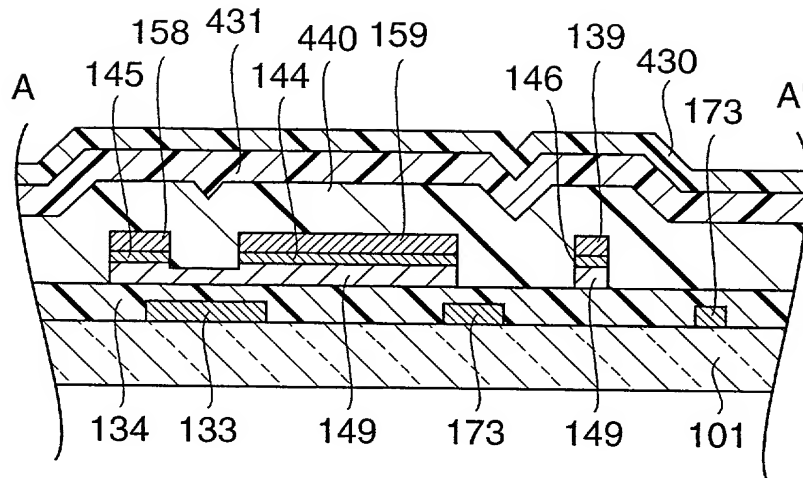


FIG.20B

GATE TERMINAL

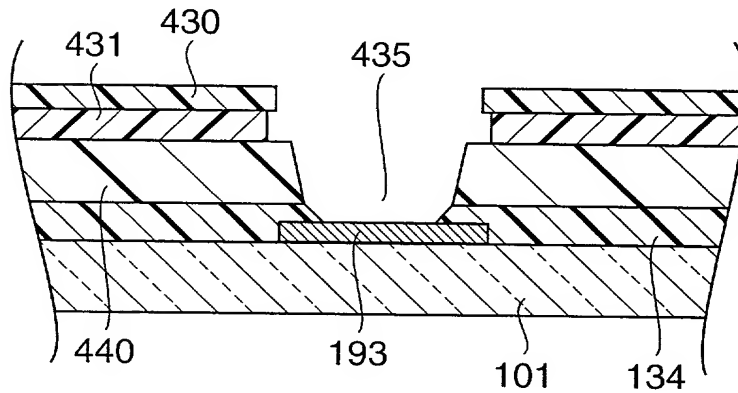


FIG.20C

DRAIN TERMINAL

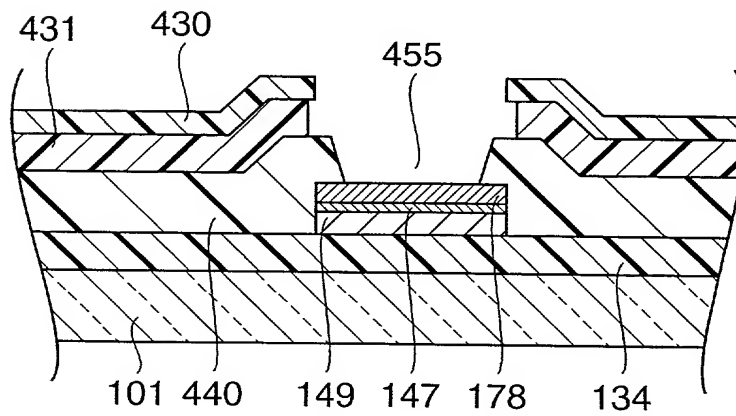


FIG.21B

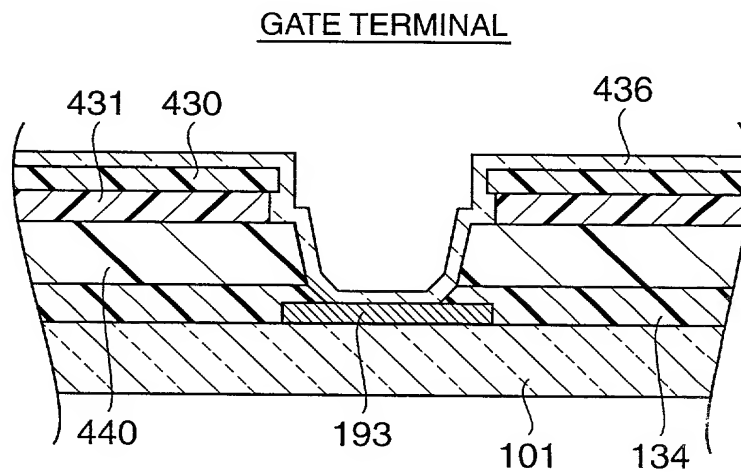


FIG.21C

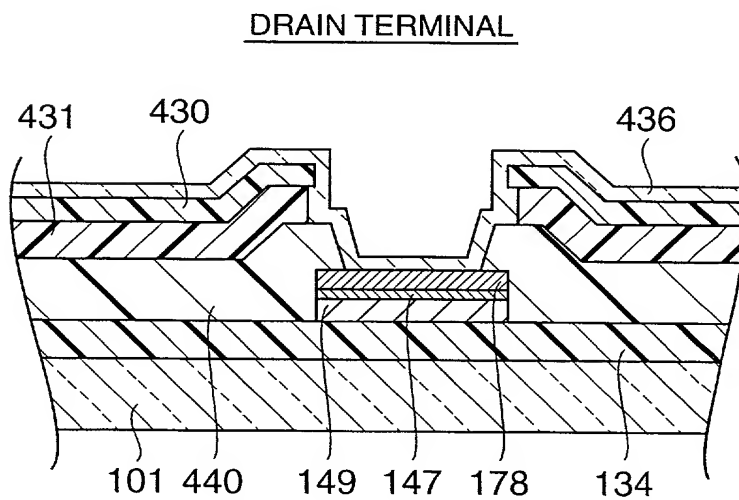


FIG.22B

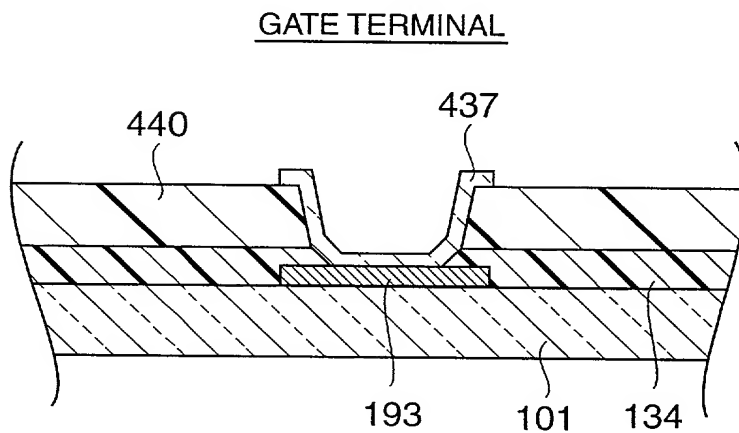


FIG.22C

